Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/13/2019 09:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124524	-1	2.76	124629	2.68
Blue	F	SSC	125000	124937	-1	1.63	125786	1.58
Blue	E	FITC	16433	16104	-3	2.78	350	19.73
Blue	D	PE	27595	27352	-1	2.02	595	14.41
Blue	B	PerCP-Cy5-5	43183	43140	-1	3.60	1157	20.41
Blue	A	PE-Cy7	31943	32110	0	6.03	618	40.40
Red	C	APC	42819	42075	-2	2.37	1489	11.95
Red	A	APC-Cy7	31261	30093	-4	2.27	800	11.78
Violet	B	V450	6527	6240	-5	4.62	350	13.56
Violet	A	V500	24533	23375	-5	4.43	542	10.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17751	15.59	615	15	N/A	N/A	Pass
Blue	F	SSC	56854	1.18	556	8	N/A	N/A	Pass
Blue	E	FITC	64	62.06	542	3	0.0206	110	Pass
Blue	D	PE	124	48.23	539	5	0.1693	259	Pass
Blue	B	PerCP-Cy5-5	213	49.07	653	11	0.0089	28	Pass
Blue	A	PE-Cy7	114	103.39	701	12	0.0112	26	Pass
Red	C	APC	356	24.96	578	-5	0.0253	162	Pass
Red	A	APC-Cy7	176	28.24	557	-6	0.0057	868	Pass
Violet	B	V450	54	60.40	451	-4	0.0475	1969	Pass
Violet	A	V500	82	32.54	462	-5	0.0223	563	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.06	-31.66	1.00
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.50
Red	16.46	13.60 - 20.40	N/A	N/A	29.46	29.74	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10230

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments